

NOAA Climate Test Bed (CTB)

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ABSTRACT

NOAA's operational climate monitoring products and predictions are a core part of NOAA's mission to support economic vitality and protect American lives and resources. These are produced by the National Weather Service (NWS)/National Centers for Environmental Prediction (NCEP) and aim at providing the public with critical information about conditions for better preparedness and improved resiliency including outlooks from a few weeks to several seasons ahead for quantities such as precipitation, temperature, tropical hazards, drought, and other societally-relevant climate system impacts. The mission of NOAA Climate Test Bed (CTB) is to accelerate the transition of research advances into improved NOAA operational climate models, monitoring and predictions. The NOAA CTB is jointly supported by OAR (Office of Oceanic and Atmospheric Research) and NWS. The OAR's Modeling, Analysis, Predictions, and Projections (MAPP) program provides grants support and NCEP provides infrastructure support to CTB's testing and demonstration phase. NCEP is also responsible to support the operational implementation phase. The presentation will include a brief CTB programmatic overview, and top FY2015 CTB achievement highlights, and FY16 planned activities. The presentation will also cover the best practice and lessons learned in CTB testing project selection execution and final evaluation.